

Figure 1, Phase relationship in an array of two antennas.

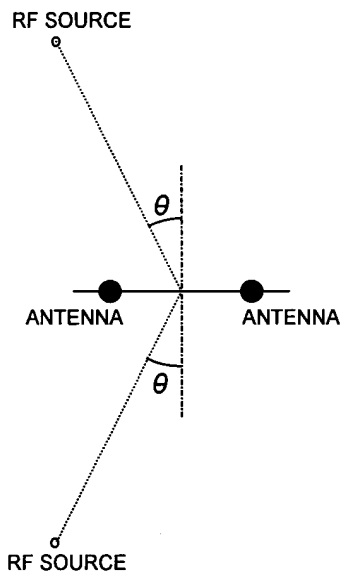


Figure 2, RF emitter on both sides of an antenna array.

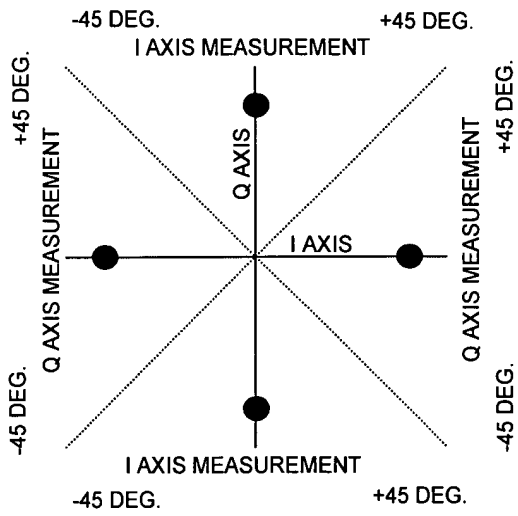


Figure 3, Two arrays in quadrature.

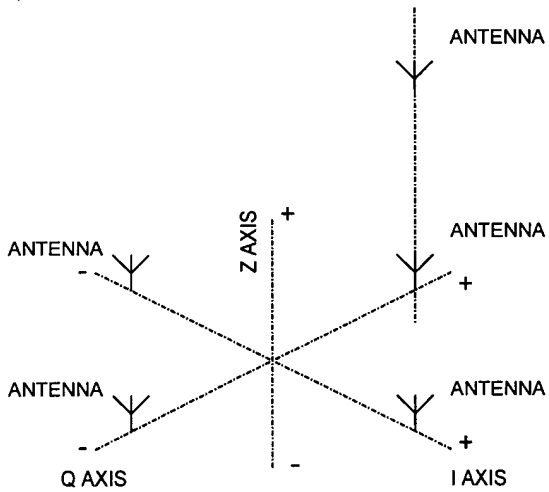
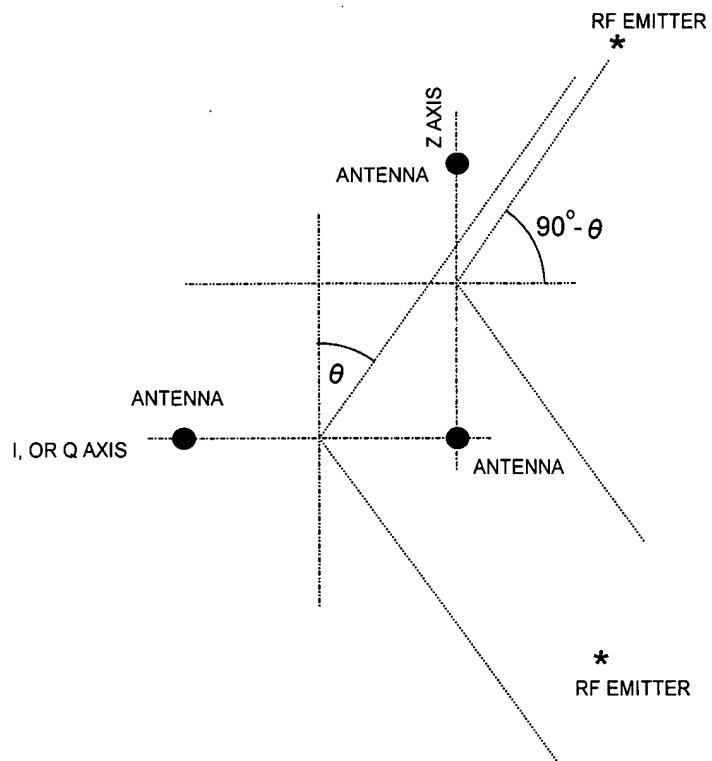


Figure 4, Array of 5 antennas, for azimuth and elevation detection.



**Figure 5, Measurement of elevation angle.**

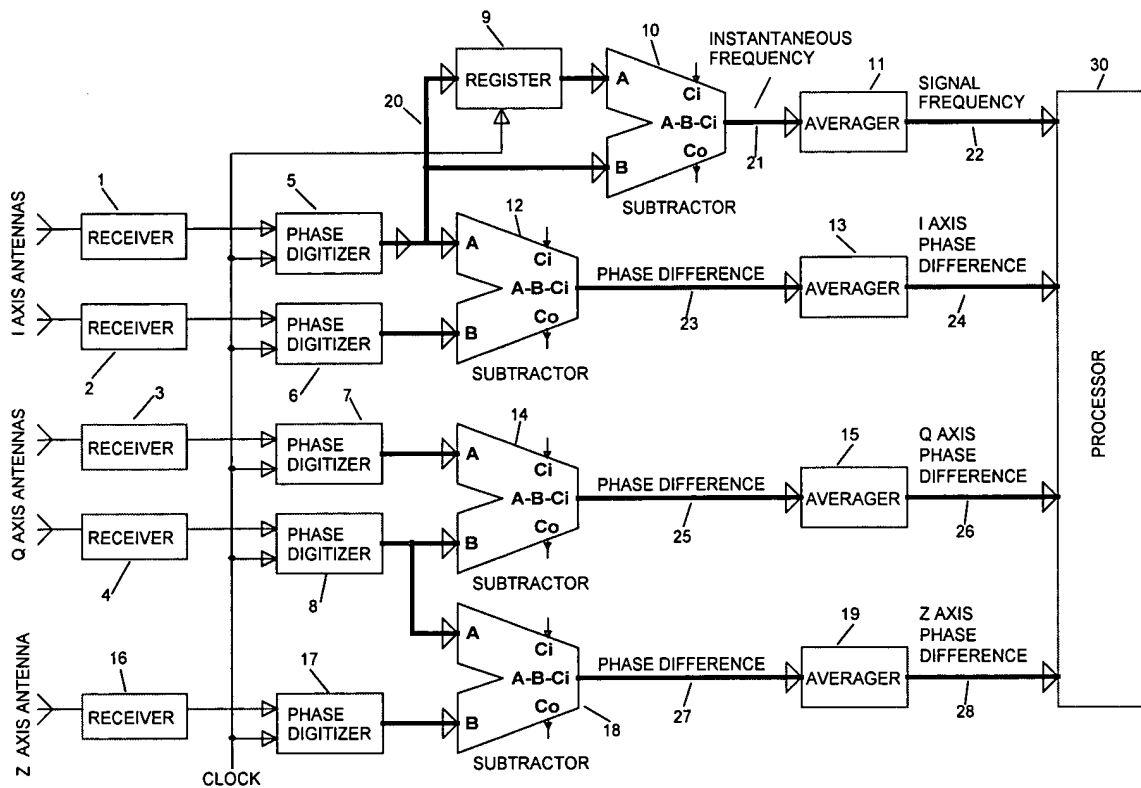


Figure 6, Embodiment of the azimuth and elevation detection system.

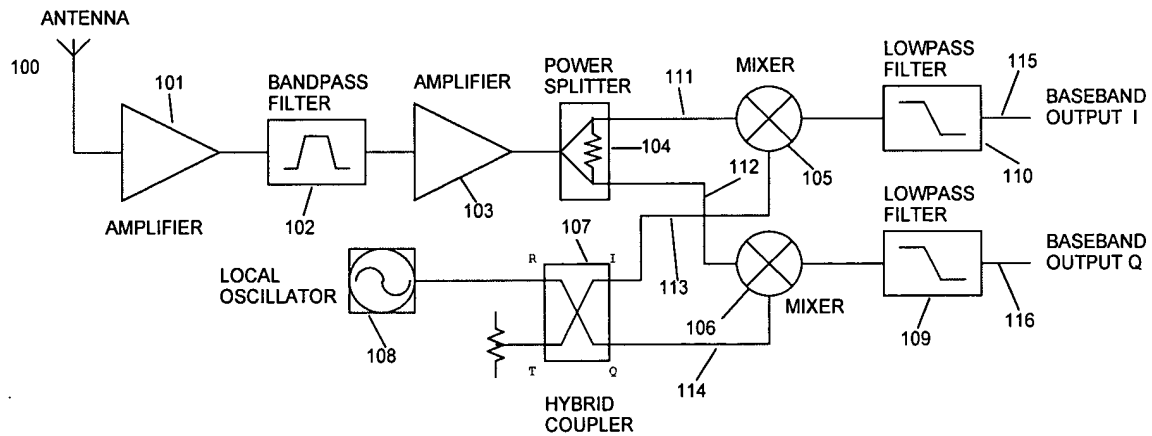
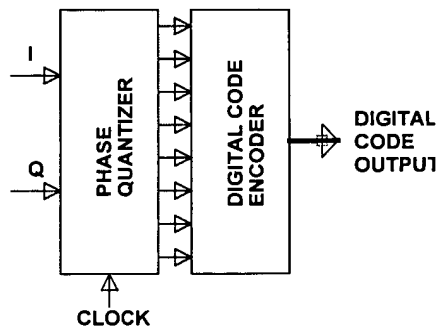


Figure 7, Embodiment of a typical RF receiver.



**Figure 8, Block diagram of a phase digitizer.**

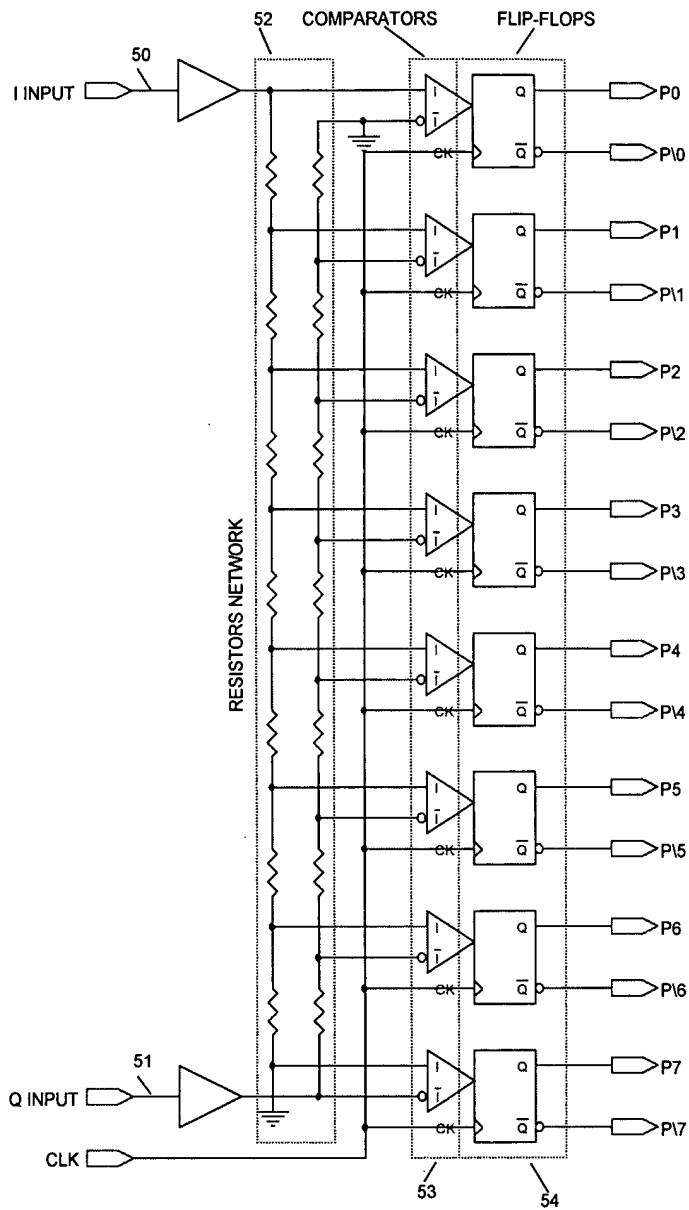
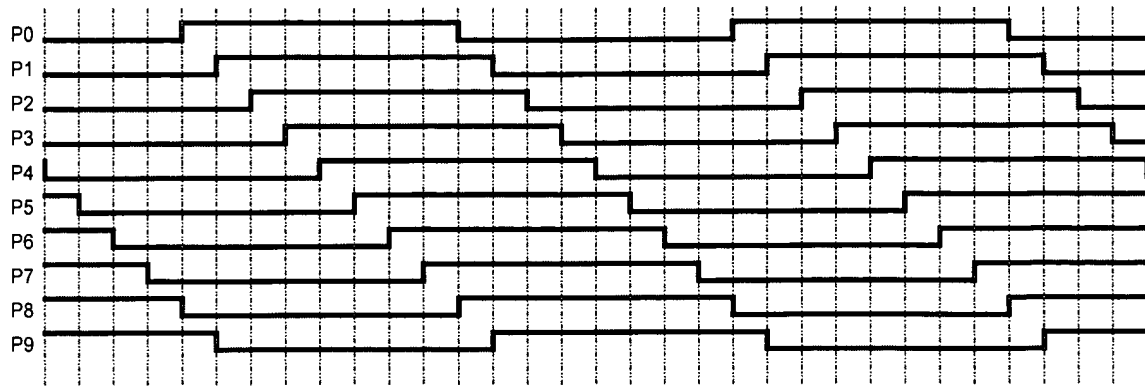
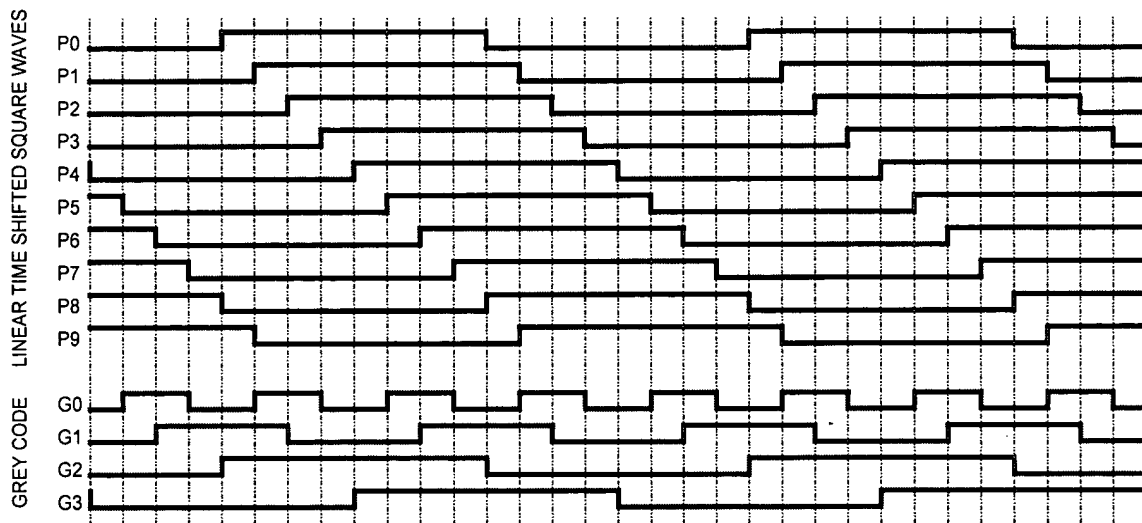


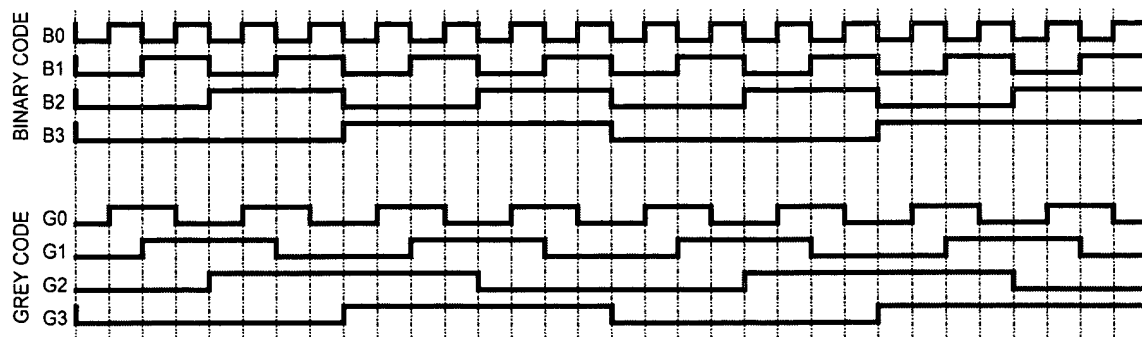
Figure 9, Embodiment of the quantizer section of the phase digitizer.



**Figure 10, Waveforms at the outputs of the comparators.**



**Figure 11, Linear to Grey code conversion.**



**Figure12, Grey code to Binary code conversion.**

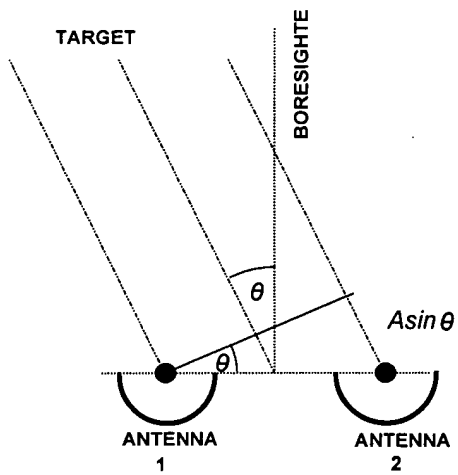


Figure 13, Signals and phases in a "monopulse" radar.

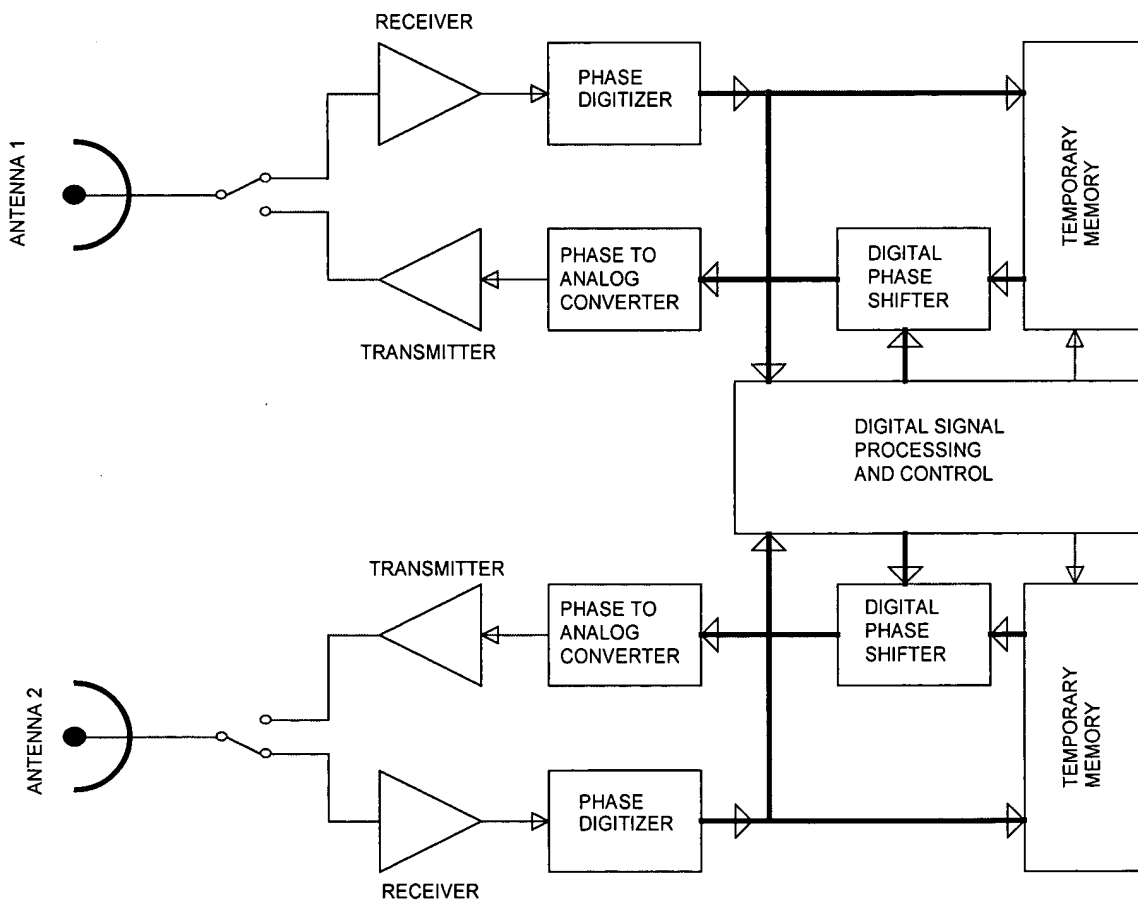


Figure 14, Block diagram of a "cross-eye" system.